

What is Cloramin B? How to mix chloramin B solution to disinfect, kill bacteria

Cloramin B is a chemical recommended by the World Health Organization and the Ministry of Health in Vietnam for antiseptic in both hospitals, families and public places such as schools, preschools ...

Chloramin B is a chemical with the formula $C_6H_5SO_2NCINa \cdot 3H_2O$, used for surface disinfection, water treatment. In chloramin B, 25% is active chlorine.

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Effects of Cloramin B

Chloramin B contains active chlorine, which has a bactericidal effect in water, disinfecting on the surface.

CloraminB is used extensively to kill bacteria on the surfaces that humans touch and has the ability to bring bacteria into the body very high such as the floor, tables and chairs, stair handrails, door handles. , items, toys .



Chloramine B powder.

How to mix Chloramin B solution to kill bacteria

Currently, chloramin B is used in 2 forms as tablets and powders.

The formula for chloramin B solution to kill bacteria is as follows:

$$m = (c\% \times V/C\%) \times 1000$$

Trong đó:

m: lượng hóa chất cần lấy pha (g)

c%: nồng độ dung dịch Clo cần pha (%)

C%: nồng độ hóa chất chứa Clo ban đầu (Chloramin B 25%, Clorin 70%, Clorin 90%...).

V: thể tích dung dịch cần pha (L).

For example: To get 10 liters of chloramin B solution with an active chlorine concentration of 0.5% from chloramin B powder 25%, applying the above formula, we have: $(0.5 \times 10/25) \times 1000 = 200$ grams.

Take 200 grams of chloramin B powder 25% dissolved in 10 liters of water, we have 10 liters of chloramin B solution with a concentration of 0.5%.

Note:

1. To avoid unfortunate cases of poisoning, attention should be paid to the correct preparation according to the above formula.
2. After reconstitution, must use immediately, not to exceed 24 hours because chemicals will lose their effect causing waste.

How to use chloramin B to kill bacteria at home

1. Step 1: Wipe off dirt on surfaces, items, floors .
2. Step 2: Use chloramin B solution to clean floors, utensils ., soaking toys for 10 - 20 minutes.
3. Step 3: Wipe down the surface with clean water and pat dry. Wash children's toys again with clean water and air dry.

Note:

1. When using chloramin B to kill bacteria, you should use two separate buckets or buckets: 1 contains solution, one contains clean water to discharge dirt.
2. Wipes should also use 2 pcs, one to wipe the solution, one to wipe with clean water.
3. When seeing disinfectant or disinfectant solution, it should be replaced because the solution is not enough disinfectant now.

Formulated with 80 degrees of alcohol from 90 degrees alcohol, 100 degrees to make an anti-virus hand wash

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